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New 2,4-bisresorciny1-1,3,5-triazine compounds used in cosmetic  
formulations - to protect human and animal skin and hair from the  
damaging effects of ultra-violet (UV) radiation

Patent Assignee: CIBA SPECIALTY CHEM HOLDING INC (CIBA ); CIBA SPECIALTY  
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Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 878469	A1	19981118	EP 98810412	A	19980507	199850 B
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Patent Details:

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AU 9865987 A C07D-251/24

ZA 9804107 A 29 C07D-000/00

JP 11029559 A 18 C07D-251/24

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Abstract (Basic): EP 878469 A

2,4-Bisresorciny-1,3,5-triazines of formula (I) are new. R<sub>1</sub>, R<sub>2</sub> = (CH<sub>2</sub>)<sub>m1</sub>COR<sub>3</sub>; R<sub>3</sub> = e.g. OH (optionally mono- or poly-OH-substituted 1-5C alkyl), 1-5C alkoxy; NH<sub>2</sub> (optionally substituted by 1-2 1-5C alkyl), M, O(CH<sub>2</sub>)<sub>m3</sub>N+R'R''R''' or O-N+R'R''R'''; R'-R''' = optionally 1-14C alkyl (optionally substituted by OH); R<sub>4</sub> = H, M, 1-5C alkyl or (CH<sub>2</sub>)<sub>m2</sub>OT<sub>1</sub>; R<sub>1</sub> = a group of formula (d)-(e); R<sub>5</sub> = H, 1-10 C alkyl, (CH<sub>2</sub>CH<sub>2</sub>O)<sub>n1</sub>R<sub>6</sub> or CH<sub>2</sub>CH(OH)CH<sub>2</sub>OT<sub>1</sub>; R<sub>6</sub> = H or methyl; T<sub>1</sub> = H or 1-8 C alkyl; Q<sub>1</sub> = 1-18 C alkyl; M = a metal cation; m<sub>1</sub> = 1-3; m<sub>2</sub> = 1-4; m<sub>3</sub> = 22-14; and n<sub>1</sub> = 1-16.

USE - (I) are used for protecting human and animal hair and skin from the damaging effects of ultra-violet (UV) radiation and in cosmetic formulations with compatible vehicles or auxiliaries and optionally other UV protection agents, especially triazines, oxanilides, triazoles, amides containing vinyl groups or cinnamamides (all claimed). They are useful in medical, pharmaceutical and veterinary medical formulations.

ADVANTAGE - (I) give excellent protection against the damaging effects of sunlight.

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Title Terms: NEW; DI; TRIAZINE; COMPOUND; COSMETIC; FORMULATION; PROTECT; HUMAN; ANIMAL; SKIN; HAIR; DAMAGE; EFFECT; ULTRA; VIOLET; ULTRAVIOLET; RADIATE

Derwent Class: B03; C02; D21; E13; P83

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